

Application No.: 10/659168
Docket No.: AD6929USNA

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Amendments to Claims

This claim listing replaces all previous listings or versions of the claims.

1. (Cancelled)

2. (Cancelled)

3. (Cancelled)

4. (Cancelled)

5. (Cancelled)

6. (Cancelled)

7. (Currently Amended) A composition comprising from 45 to about 75% by weight of a liquid crystalline polyester (LCP) as a matrix material and at least three lubricating fillers comprising: (a) a first lubricating filler in an amount of from 1 – 20% by weight of the composition; (b) a second lubricating filler in an amount of from 1 – 30% by weight of the composition; and (c) a third lubricating filler in an amount of from 1 – 20% by weight of the composition wherein the fillers are selected from the group consisting of graphite, carbon fibers, molybdenum disulfide, clay, fluoropolymer, mica, talc, zinc oxide, tungsten carbide, silicone, carbon black, particulate polyimide, boron nitride, aramid (particulate polyimide), potassium titanate, barium titanate, polytetrafluoroethylene (PTFE), and combinations thereof, said first, second and third lubricating fillers together comprising at least 25% by weight of the composition, the composition having a melting temperature of greater than or equal to 399 °C and at least good wear resistance at conditions of at least 1.75 MPa-m/s (50,000 psi- fpm).

8. (Currently amended) A composition according to claim 7, wherein the first filler is graphite and the second filler is carbon fiber, said third filler is a mica material.

9. (Currently Amended) A composition according to claim 7 or 8, wherein the third filler is a mica material, and further comprising a fourth filler, wherein said fourth filler being 0 1-15% by weight of the composition.

10. (Previously Presented) A composition according to claim 9, wherein said fourth filler is a particulate polyimide.

11. (Currently Amended) A composition comprising a liquid crystalline polyester (LCP) as a matrix material ~~having an onset of melting temperature of greater than 320°C~~, wherein said composition ~~having~~ has an onset of melting temperature of at least 320°C and at least good wear resistance at conditions of at least 1.75 MPa-m/s (50,000 psi- fpm), and wherein said liquid crystalline polyester material being comprises at least about 65% by weight contains of the composition and wherein said composition comprises four fillers together comprising about 35% by weight of the composition, wherein said fillers comprise: (A) about 10% by weight of graphite (B) about 10% by weight carbon fiber; (C) about 5% by weight mica; and (D) about 10 % by weight of particulate polyimide.

12. (Previously Presented) An article made from a composition according to one of claims 7-10.

13. (Previously Presented) An article made from a composition according to claim 11.

14. (New) A composition comprising: (1) 45 – 75 % by weight of a liquid crystalline polyester (LCP) material as a matrix material and (2) at least two lubricating fillers, said composition having a melting temperature of greater than or equal to 399 °C and having at least good wear resistance at conditions of at least 1.75 MPa-m/s (50,000 psi- fpm), wherein said at least two fillers together comprise at least 25 wt% of the composition.

15. (New) A composition according to claim 14, wherein said liquid crystalline polyester material has repeat units derived from 4-hydroxybenzoic acid, 4,4'-biphenol, terephthalic acid, and one or both of 2,6-naphthalenedicarboxylic acid and isophthalic acid.

16. (New) A composition according to claim 14, wherein said fillers are selected from the group consisting of graphite, carbon fiber, fluoropolymer, molybdenum disulfide, clay, mica, talc, zinc oxide, tungsten carbide, silicone, carbon black, particulate polyimide, boron nitride, aramid, potassium titanate, barium titanate, and polytetrafluoroethylene (PTFE), and combinations thereof.

17. (New) A composition according to claim 14, wherein said at least two lubricating fillers comprise: a first lubricating filler comprising 1-20% by weight of the composition and a second lubricating filler comprising 1-30% by weight of the composition.

18. (New) A composition according to claim 17, wherein said first filler is a graphite material and said second filler is a carbon fiber material.

19. (New) An article made from a composition according to one of claims 14 - 18.

20. (New) A composition comprising a liquid crystalline polyester (LCP) as a matrix material wherein said composition has an onset of melting temperature of at least 320°C and at least good wear resistance at conditions of at least 1.75 MPa-m/s (50,000 psi- fpm), and wherein said liquid crystalline polyester material comprises at least about 65% by weight of the composition, and wherein said composition comprises: (A) from 1% to about 10% by weight of graphite (B) from 1% to about 10% by weight carbon fiber; (C) from 1% to about 5% by weight mica; and (D) from 1% to about 10 % by weight of particulate polyimide.